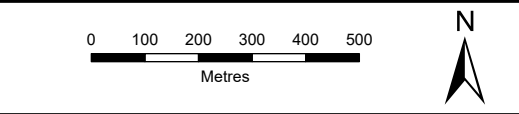
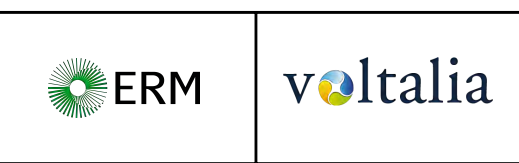


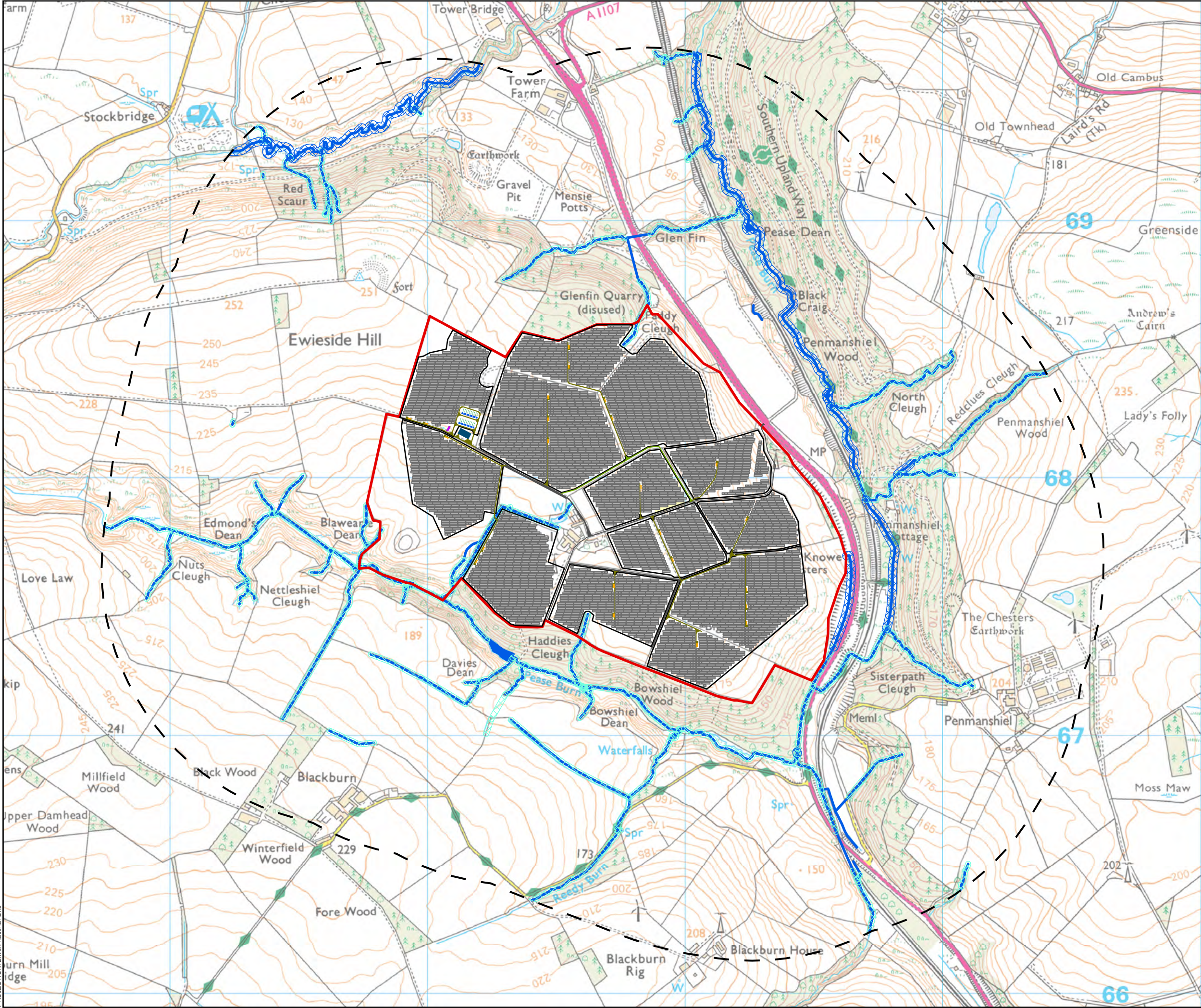
- Site Boundary
- Study Area (1 km buffer)
- Proposed Site Layout
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
 - Fence



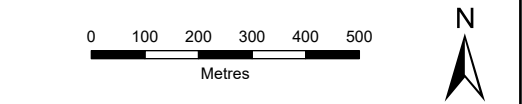
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DATE: 6/5/2025	APPROVED: RO

Bowshiel Solar Farm and BESS
Hydrology
Figure 9.1
Study Area





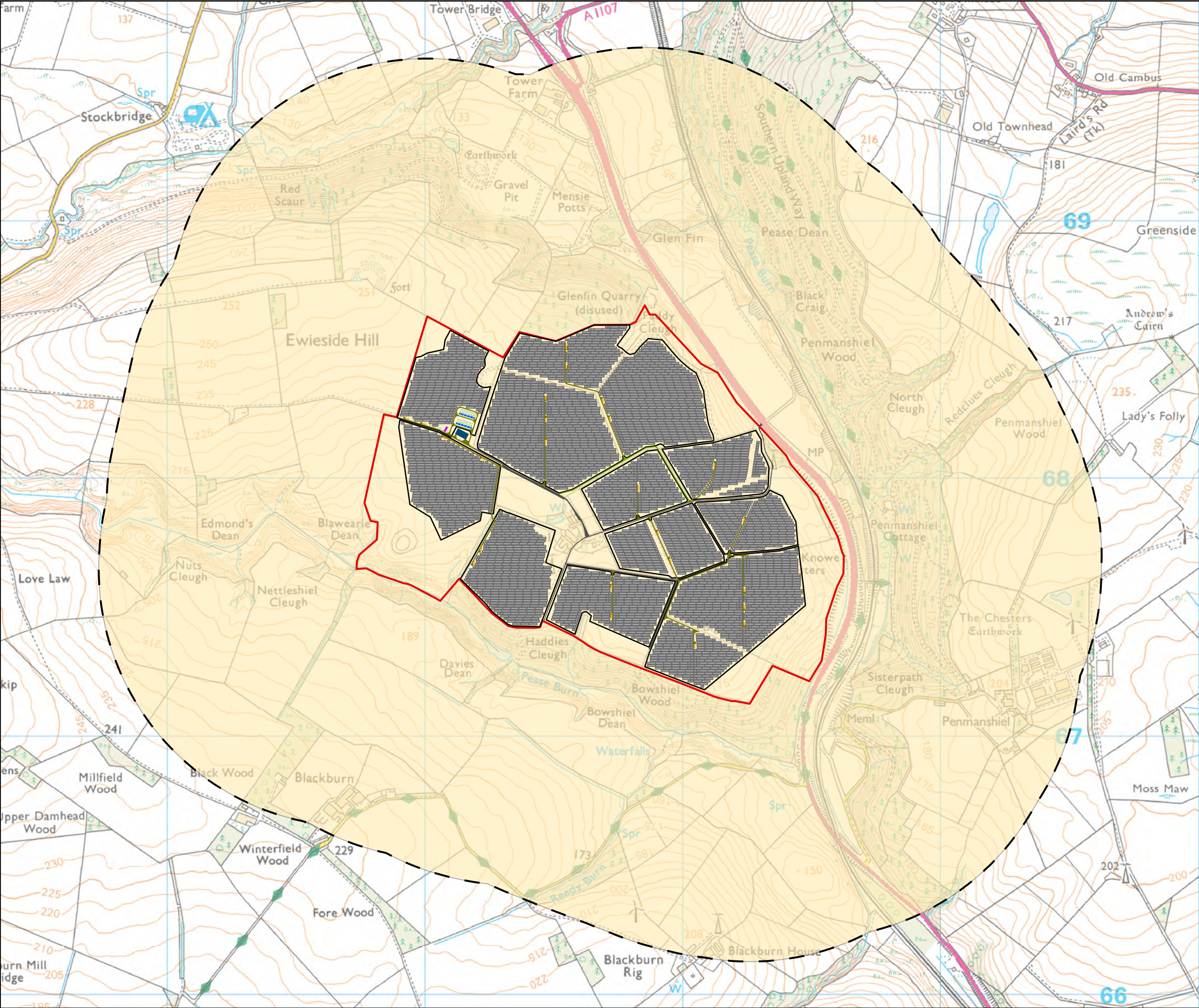
- Site Boundary
- Study Area (1 km buffer)
- Site Infrastructure
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
- Fence
- Surface Waterbody
- Surface Watercourse
- SEPA Riparian Corridors
 - 10m Buffer
 - 15m Buffer



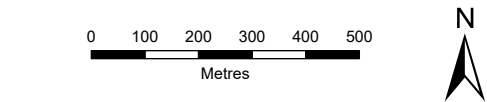
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PROJECT: 0733784	CHECKED: MW
DATE: 6/5/2025	APPROVED: RO

Bowshiel Solar Farm and BESS
Hydrology
Figure 9.2
Surface Watercourses and Waterbodies





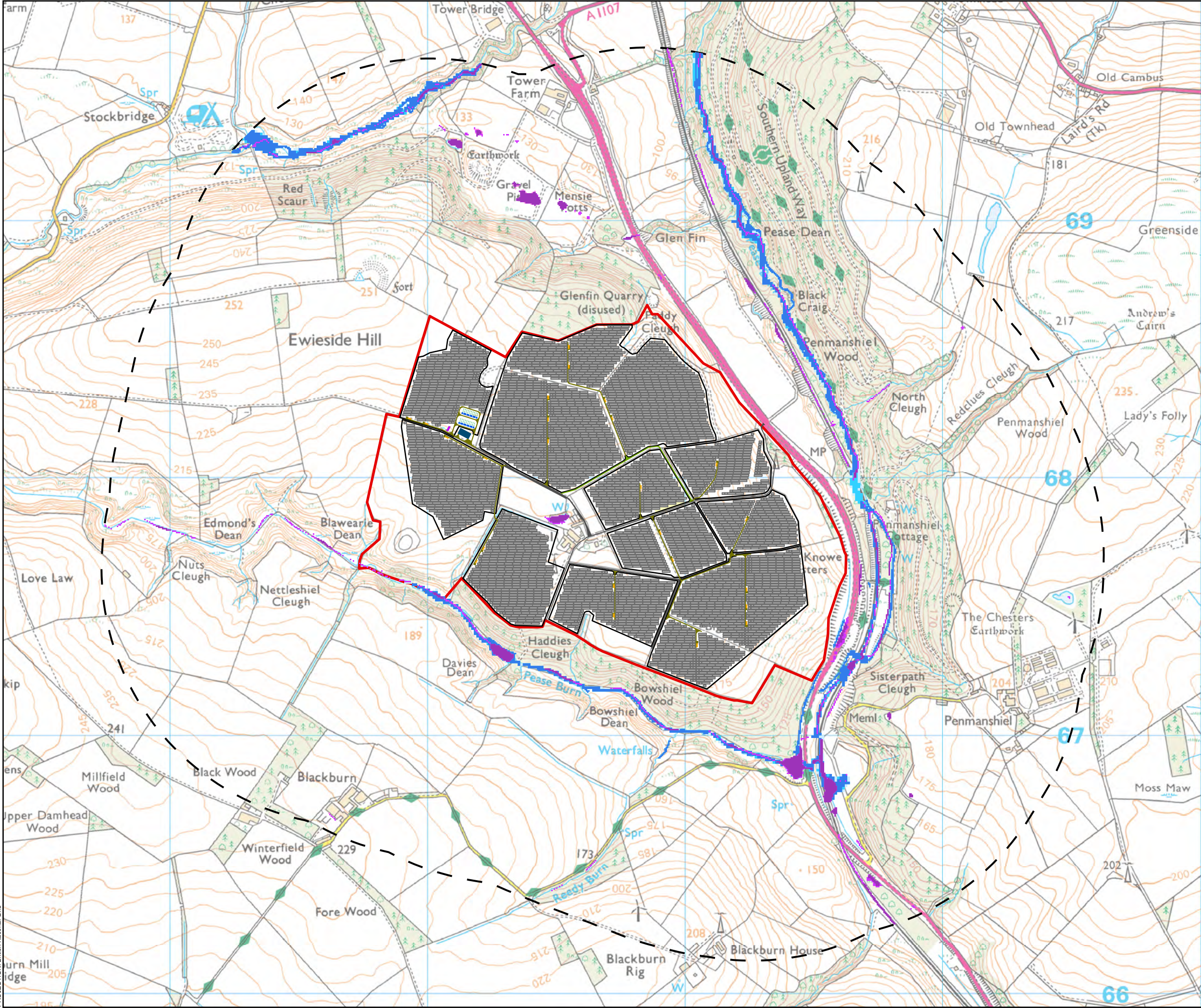
- Site Boundary
- Study Area (1 km buffer)
- Site Infrastructure
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
 - Fence
- BGS 50k Hydrogeology
 - Character
 - Low productivity aquifer



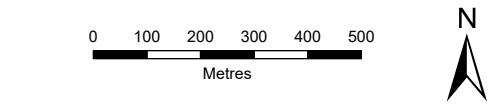
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Bowshiel Solar Farm and BESS
Hydrology
Figure 9.3
Hydrogeology





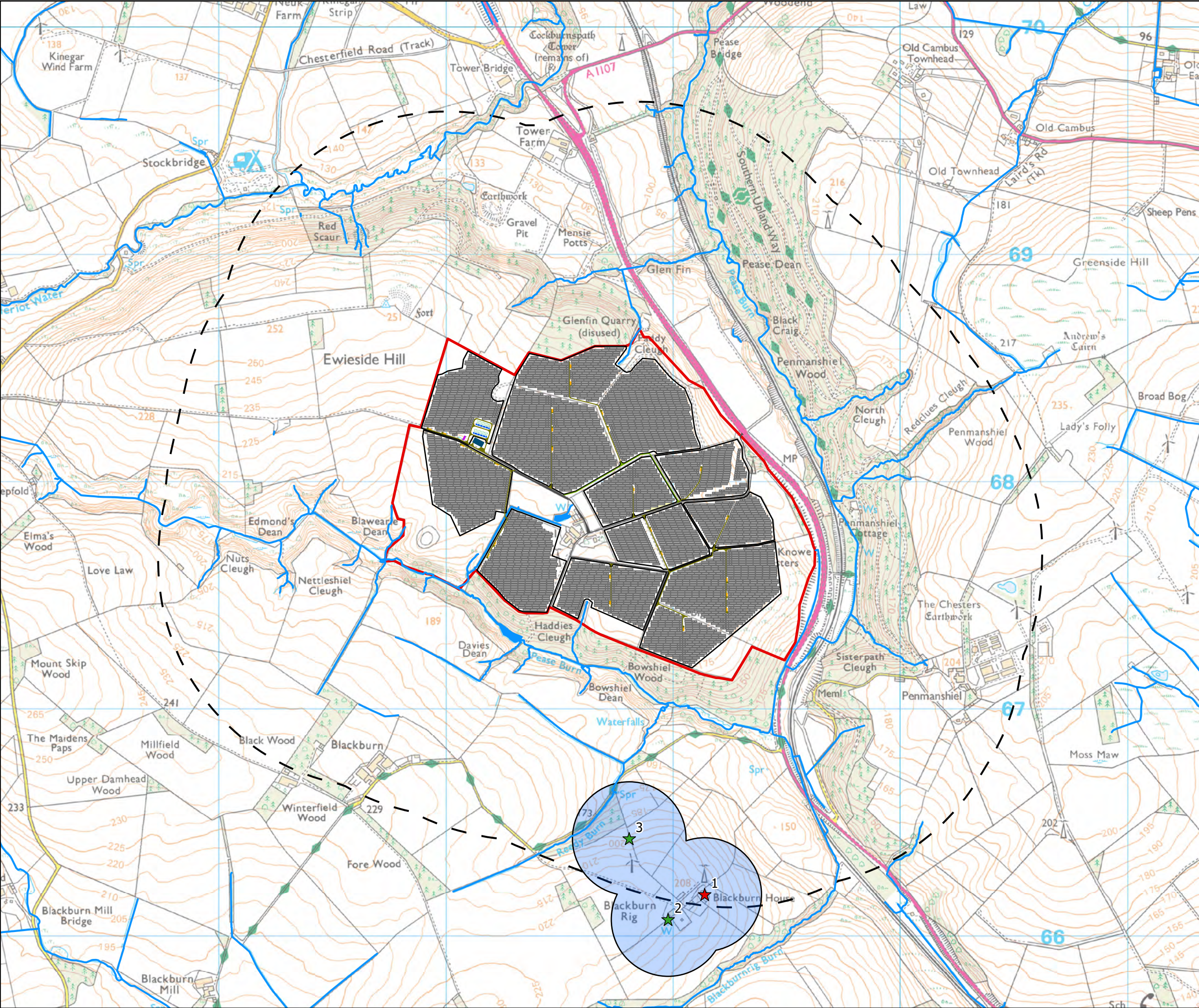
- Site Boundary
- Study Area (1 km buffer)
- Site Infrastructure
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
 - Fence
- Surface Water Flood Risk
 - High Surface Water Flood Risk Extent
 - Medium Surface Water Flood Risk Extent
 - Low Surface Water Flood Risk Extent
- River Flood Risk
 - High River Flood Risk Extent
 - Medium River Flood Risk Extent
 - Low River Flood Risk Extent



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Bowshiel Solar Farm and BESS
Hydrology
Figure 9.4
SEPA Flood Maps





- Site Boundary
- Study Area (1 km Buffer)
- Site Infrastructure
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
- Fence
- Private Water Supplies - Scottish Borders Council
- Private Water Supplies - Survey Response
- Surface Watercourses
- Surface Waterbodies
- 250 m buffer of Private Water Supplies

0 100 200 300 400 500
Metres

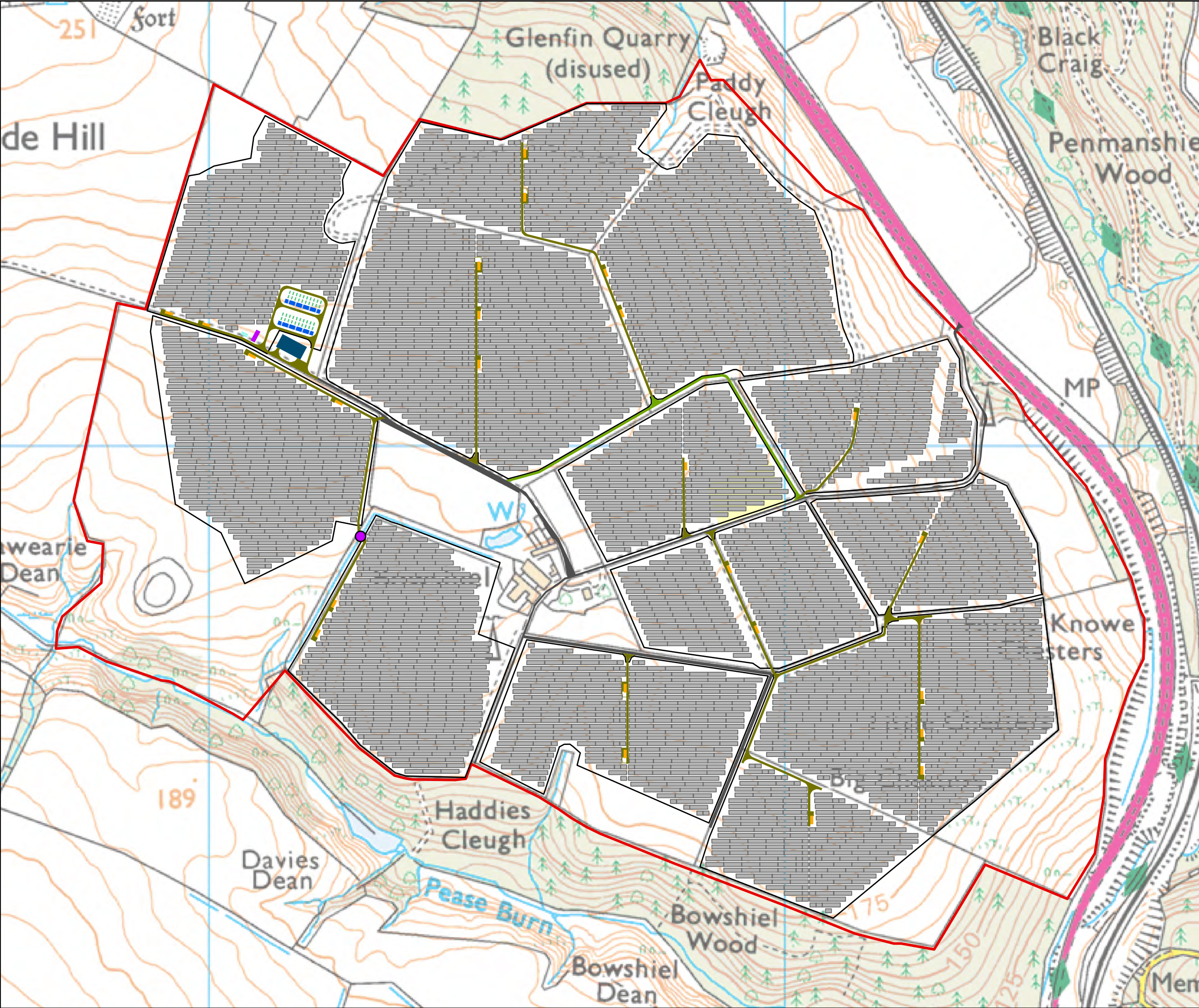


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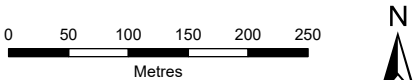
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APPROVED: RO

**Bowshiel Solar Farm and BESS
Hydrology
Figure 9.5
Private Water Supplies**





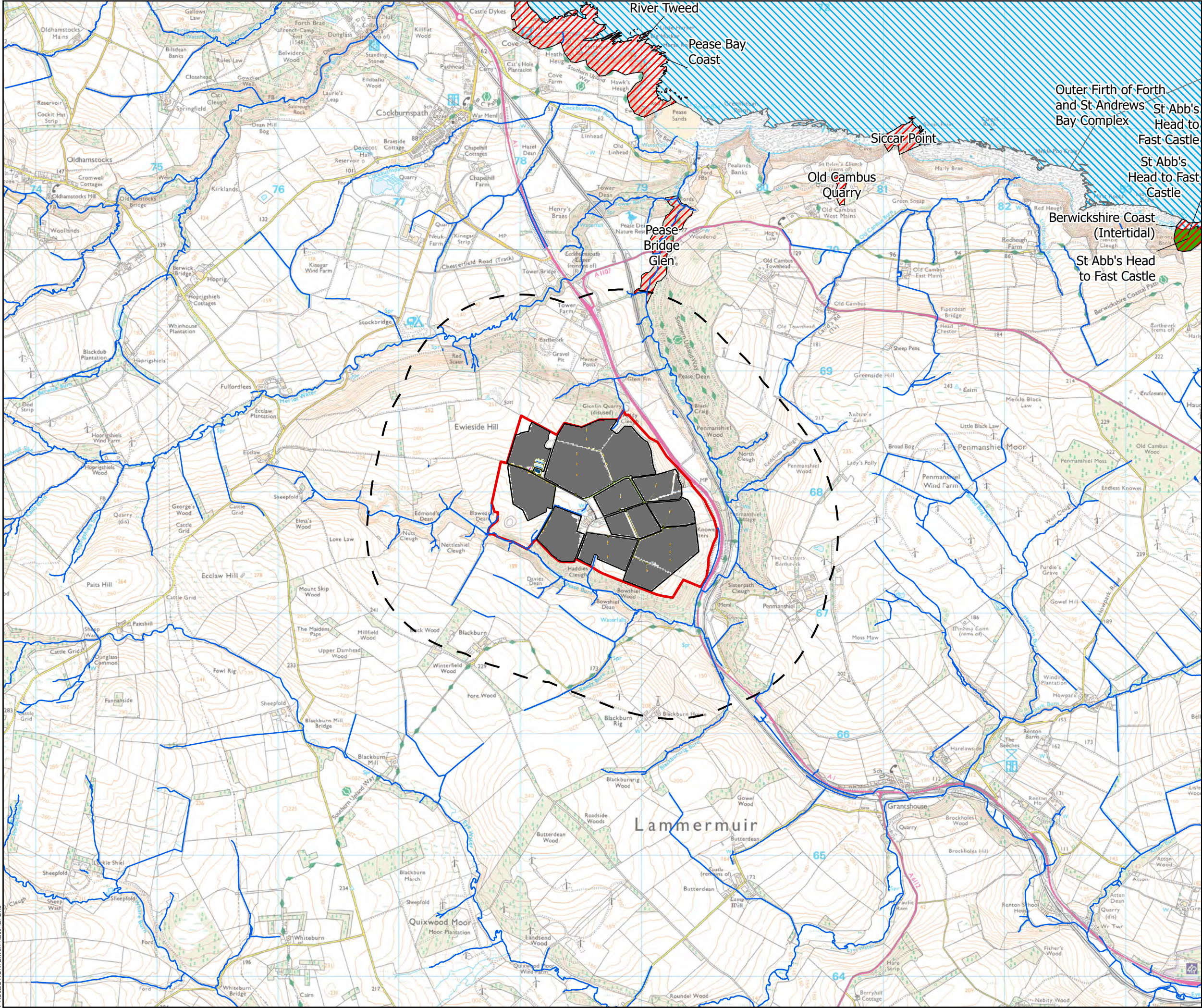
- Site Boundary
- Site Infrastructure
 - BESS
 - Temporary Construction Compound
 - OM Building
 - Customer Substation
 - PV Module
 - Transformer
 - Internal Access Track
 - Existing Access Track
 - External Access Track
 - Power Conversion
 - Storage Container
 - Tesla Megapack
- Fence
- Watercourse Crossings
 - Existing



SCALE: See Scale Bar	VERSION: A01
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PROJECT: 0733784	CHECKED: MW
DATE: 6/5/2025	APPROVED: RO

Bowshiel Solar Farm and BESS
Hydrology
Figure 9.7
Watercourse Crossings





Site Boundary

Site Boundary (1km buffer)

Site Infrastructure

BESS

Temporary Construction Compound

OM Building

Customer Substation

PV Module

Transformer

Internal Access Track

Existing Access Track

External Access Track

Power Conversion

Storage Container

Tesla Megapack

Fence

Surface Watercourse

Site of Special Scientific Interest

Special Areas of Conservation

Special Protection Areas

0

250

500

750

1,000

1,250

Metres

N

SCALE: See Scale Bar

VERSION: A01

SIZE: A3

DRAWN: JS

PROJECT: 0733784

CHECKED: MW

DATE: 6/5/2025

APPROVED: RO

Bowshiel Solar Farm and BESS

Hydrology

Figure 9.8

Designated Sites

ERM

voltalia

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Path: \\uksprdgifs01\Data\Arcus\Projects\0733784 - Bowshiel\MAPS\0733784 - Bowshiel - Hydrology and Geology.aprx\0733784 - Bowshiel - Hydrology - Figure 9.8 - Designated Sites - A01